Session 11: Sqoop Flume

Assignment 2 Question

**Problem Statement**

Perform incremental load in Hive

Read from MySQL Table and load it in Hive table.

Create hive table if it does not exist.

If it exists, perform the incremental load.

**Solution:-**

**Step 1 – Creating table company in MySQL**



**Step 2 – Importing the data from MySQL to HDFS**

**sqoop import --connect jdbc:mysql://localhost/testDb --username 'root' --table 'company' --target-dir '/sqoopout' -m 1;**



**Step 3 – Creating HIVE external table**

**CREATE EXTERNAL TABLE comp ( id int, name STRING,location STRING) ROW FORMAT DELIMITED FIELDS TERMINATED BY ‘,’ STORED AS TEXTFILE location ‘/sqoopout ‘;**



**Step 4- Adding three new rows to emp table in MySQL**

**insert into company values(4, 'xyz','abc');**

**insert into company values(5, 'pqr','def');**



**Step 5 – Performing incremental load via Sqoop**

**sqoop import --connect jdbc:mysql://localhost/testDb --username 'root' --table 'company' --target-dir '/sqoopout' --incremental append --check-column id --last-value 3 -m 1;**



Checking external table in HIVE



New records have been added to the table. Incremental load is successful.